

## INPUTS

### Project Identification

Project Title:	Band Road Widening
County	Fort Bend
Facility Type	Non Freeway
Street Name:	Band Road
Limits (From)	Spur 10
Limits (To)	SH 36
Length (in Miles)	2.44
Application ID Number:	302
Sponsor ID Number (CSJ, etc.):	

	Data entered by the sponsors
	HGAC regional travel demand model data provided by HGAC
	Data populated/calculated based on inputs
	Benefits calculated by the template

### Proposed Improvements Information

Year Open to Traffic? <b>(Must be &gt;=2021)</b>	2025
Type of Improvement	Adding New Lanes or Roads
Estimated Delay Reductions (in %)	40%
Service Life (years):	30

### Interim Calculations for Delay Reductions

Estimated Free flow Travel Time (in Hrs)	0.0610
Estimated Average Travel Time without project (in Hrs)	0.0697
Estimate Average Delay without project (in Hrs)	0.0087
Estimate Delay Reduced	0.0035
Estimated Delay with project	0.0052
Average Peak Travel Time with project	0.0662

### Daily Travel Demand

2018 ADT	3799
----------	------

2018 Peak Period Traffic Volume	1,634
Peak Period Traffic Volume in Year Open to Traffic	2,775

VHT Improvements	With Project	Without Project
VHT (Daily) In year open to traffic	184	193

Estimated Free Flow Speed before improvement	40
Average Peak Period Corridor Speed before improvement	35
2018 Peak Period Traffic Volume	1,634
2018 Peak Period Roadway Capacity	7,742
Estimated 2025 Peak Period Traffic Volume	2,775
2025 Peak Period Roadway Capacity	14,420
Estimated 2045 Peak Period Traffic Volume	8,893
2045 Peak Period Roadway Capacity	14,420

## OUTPUTS

### Benefit Results

Discounted Delay Benefits @ 7% (2018 \$, '000s)	\$1,397
---	---------